## Amendments to the Claims

Please cancel claims 51-57 and 59. Claims 1, 5, 6, 8-13, 39-50, and 58 are pending in the application.

## Listing of the Claims

- (previously presented) A microparticle formed from macromers having a
  polymeric backbone comprising units having a 1,2-diol or 1,3-diol structure and at least two
  pendant chains bearing crosslinkable groups.
  - 2. -4. (cancelled)
- 5. (previously presented) The microparticle of claim 1, wherein the backbone polymer comprises poly(vinyl alcohol) (PVA) and copolymers thereof.
- 6. (previously presented) The microparticle of claim 1, wherein the macromer has the formula:

in which R is a linear or branched C<sub>1</sub>-C<sub>8</sub> alkylene or a linear or branched C<sub>1</sub>-C<sub>12</sub> alkane; R<sub>1</sub> is hydrogen, a C<sub>1</sub>-C<sub>6</sub> alkyl, or a cycloalkyl, R<sub>2</sub> is hydrogen or a C<sub>1</sub>-C<sub>6</sub> alkyl; and R<sub>3</sub> is an olefinically unsaturated electron attracting copolymerizable radical having up to 25 carbon atoms.

- fcancelled):
- 8. (previously presented) The microparticle of claim 1, further comprising an active agent.
- 9. (previously presented) The microparticle of claim 8, wherein the microparticle releases the active agent over a period of time ranging from about 1 day to 6 months.
- 10. (previously presented) The microparticle of claim 1, wherein the microparticle is biodegradable.
- 11. (previously presented) The microparticle of claim 1, further comprising a contrast agent.

- (previously presented) The microparticle of claim 1, wherein the crosslinkable groups are crosslinked via free radical polymerization.
- 13. (previously presented) The microparticle of claim 11, wherein the free radical polymerization is redox initiated.
  - 14. 38. (cancelled)
- 39. (previously presented) A hydrogel biomedical article formed from macromers having a polymeric backbone comprising units having a 1,2-diol or 1,3-diol structure and at least two pendant chains bearing crosslinkable groups, wherein the crosslinkable groups are crosslinked via redox initiated free radical polymerization.
- 40. (previously presented) The hydrogel biomedical article of claim 39, wherein the backbone polymer comprises poly(vinyl alcohol) (PVA) and copolymers thereof.
- 41. (previously presented) The hydrogel biomedical article of claim 39, wherein the macromer has the formula:

in which R is a linear or branched C<sub>1</sub>-C<sub>8</sub> alkylene or a linear or branched C<sub>1</sub>-C<sub>12</sub> alkane; R<sub>1</sub> is hydrogen, a C<sub>1</sub>-C<sub>6</sub> alkyl, or a cycloalkyl; R<sub>2</sub> is hydrogen or a C<sub>1</sub>-C<sub>6</sub> alkyl; and R<sub>3</sub> is an olefinically assaurated electron attracting copolymerizable radical having up to 25 carbon atoms.

- 42. (previously presented) The hydrogel biomedical article of claim 39, further comprising an active agent.
- 43. (previously presented) The hydrogel biomedical article of claim 42, wherein the hydrogel releases the active agent over a period of time ranging from about 1 day to 6 months.
- 44. (previously presented) The hydrogel biomedical article of claim 39, wherein the hydrogel is biodegradable.

- 45. (previously presented) The hydrogel biomedical article of claim 39, further comprising a contrast agent.
- 46. (previously presented) The hydrogel biomedical article of claim 39, wherein the article is selected from the group consisting of a catheter, tubing, vascular graft, heart valve, sumre, prosthesis, dialysis membrane, filter, sensor, wound dressing, and drug delivery article.
- (previously presented) The hydrogel biomedical article of claim 39, wherein the article is a microsphere.
- 48. (previously presented) The hydrogel biomedical article of claim 39, wherein the hydrogel is a coating.
- 49. (previously presented) The hydrogel biomedical article of claim 39, wherein the article is formed in a mold.
- 50. (previously presented) The hydrogel biomedical article of claim 39, wherein the article is formed on a substrate.
  - 51. 57. (cancelled)
- 58. (previously presented) The hydrogel biomedical article of claim 51, wherein the article is a microsphere.
  - 59. (cancelled)